

## **CHAPTER 3      TEMPORARY NON-STORMWATER MANAGEMENT**

### **3.1      Introduction**

Non-stormwater management best management practices (BMPs) are source control BMPs that prevent pollution by limiting or reducing potential pollutants at their source before they come in contact with stormwater. These practices involve day-to-day operations of the construction site and are usually under the control of the Contractor. These BMPs are also referred to as “good housekeeping practices,” which involve keeping a clean, orderly construction site.

### **3.2      Temporary Non-Stormwater Management Goals**

Temporary non-stormwater management goals consist of:

#### **1.    Perimeter Controls**

- a.    Ensure that no non-stormwater, or only a minimal amount, enters or leaves the project area.
- b.    Treat or filter non-stormwater discharge waters, as many times as possible needed to meet standards, before leaving the project area.

#### **2.    Controls within the Project**

- a.    Divert non-stormwater away from the project, especially disturbed areas.
- b.    Protect all bodies of water (ponds, streams, wetlands, etc.).

#### **3.    Final Product**

- a.    Coordinate all temporary non-stormwater controls to facilitate permanent measures.

### 3.3 Best Management Practices (BMPs)

Temporary non-stormwater management involves the use of the following BMPs:

	Typical Highway Construction Activities																						
	Demolish Pavement/Structures	Clear and Grub	Construct Access Road	Grading (inc. cut and fill slopes)	Channel Excavation	Channel Paving	Trenching/Underground Drainage	Underground Drainage Facility Installation	Drainage Inlet Modification	Utility Trenching	Utility Installation	Subgrade Preparation	Base Paving	AC Paving	Concrete Paving	Saw Cutting	Joint Sealing	Grind/Groove	Structure Excavation	Erect Falsework	Bridge/Structure Construction	Remove Falsework	Striping
Temporary Sediment Control Management																							
Best Management Practices																							
NS-1 Water Conservation Practices	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X		X		X
NS-2 Dewatering Operations	X			X	X	X	X	X	X	X	X	X							X		X		X
NS-3 Paving and Grinding Operations			X			X			X				X	X	X	X	X	X			X		
NS-4 Temporary Stream Crossing			X				X	X		X	X									X	X	X	
NS-5 Clear Water Diversion	X		X		X	X														X	X	X	
NS-6 Illicit Connection/Illegal Discharge Detection and Reporting	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NS-7 Potable Water/Irrigation								X		X	X												X
NS-8 Vehicle and Equipment Cleaning	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

	Typical Highway Construction Activities																							
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Temporary Sediment Control Management																								
Best Management Practices																								
NS-9 Vehicle and Equipment Fueling	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NS-10 Vehicle and Equipment Maintenance	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NS-11 Pile Driving Operations																			X	X	X			X
NS-12 Concrete Curing															X					X	X			X
NS-13 Material and Equipment Use Over Water	X		X									X	X	X	X	X	X	X	X		X	X	X	X
NS-14 Concrete Finishing			X			X		X							X					X	X			X
NS-15 Structure Demolition/Removal Over or Adjacent to Water	X		X									X	X	X	X	X	X	X	X		X	X	X	X
NS-16 Freeze Reduction			X		X					X	X													